

Virginia 2016 Pipeline Safety Conference

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Why Conduct QA/QC Audits?

- Drive operational excellence through continuous improvement efforts.
- Provide coaching to employees and contractors to clarify codes, review company standards, and raise awareness of potential hazards.
- Ensure proper maintenance of equipment and tools (e.g. proper calibration, correct application, and good condition).
- Validate quality of training and Operator Qualification materials.
- Enhance public safety by minimizing the threat of incorrect operations.
- Provide trending of most common findings to target for communication or training emphasis.

QA/QC Programs

Where do we conduct QA/QC Audits?

- System Operation Plans (Leakage, Corrosion, and Meter & Regulation)
- DIMP Plans
- AOC Program
- Local Operating Area Audits
- Emergency Response
- Service QA/QC Program
- Construction Services
 - Post Digs
 - Tie-Ins
 - Completed Job Visits
 - Construction Coordinators

Completed Audits and Audit Findings

- Audits Completed: 547
- Audit Findings: 699
- Audits with No Findings: 255
- Audits with Gas Standards Reference: 313
- Audits with Health, Safety and Environmental Reference: 140
- Audits with OSHA Reference: 28
- Audits with Best Practice Reference: 40
- Findings per Audit 1.2

Properly Inspected, and Aligned Pipe Surfaces(G.S. 1302.010)

Dirt in Fusion



Inspect Joint for Quality (G.S. 1308.010)

Cut out unacceptable 1" socket fusion



Proper Techniques used while Excavating to Prevent Potential Damage

Damage Exceeded 10%



Check Appliances Vent Terminations G.S. 6500.060

Direct Vent 12" Minimum Termination

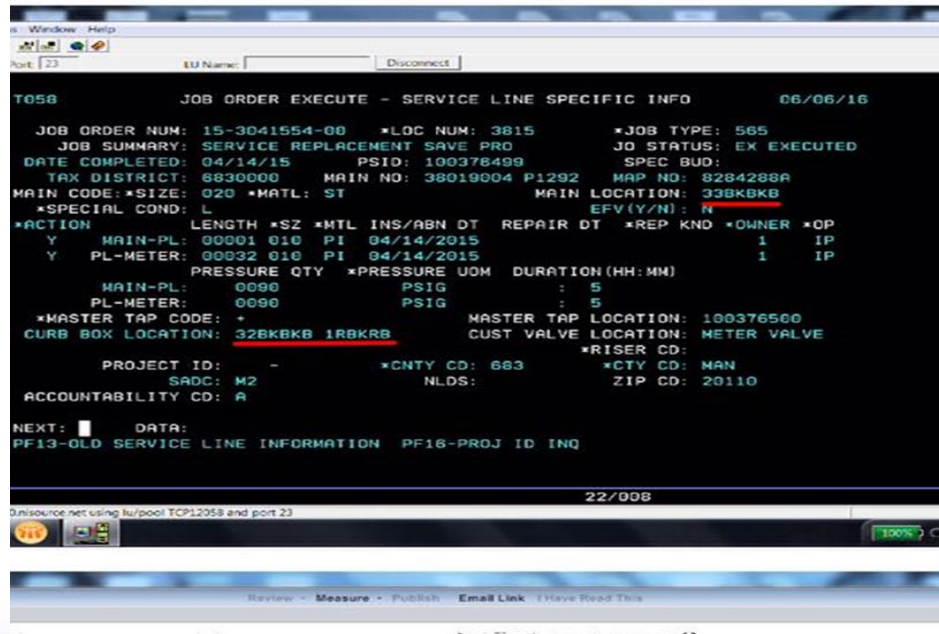


Avoided Excessive Bending and Pipe Deflection G.S. 3010.060

Pipe bent at 90 degrees



Information Entered in a Timely Manner (GS 3020.12)



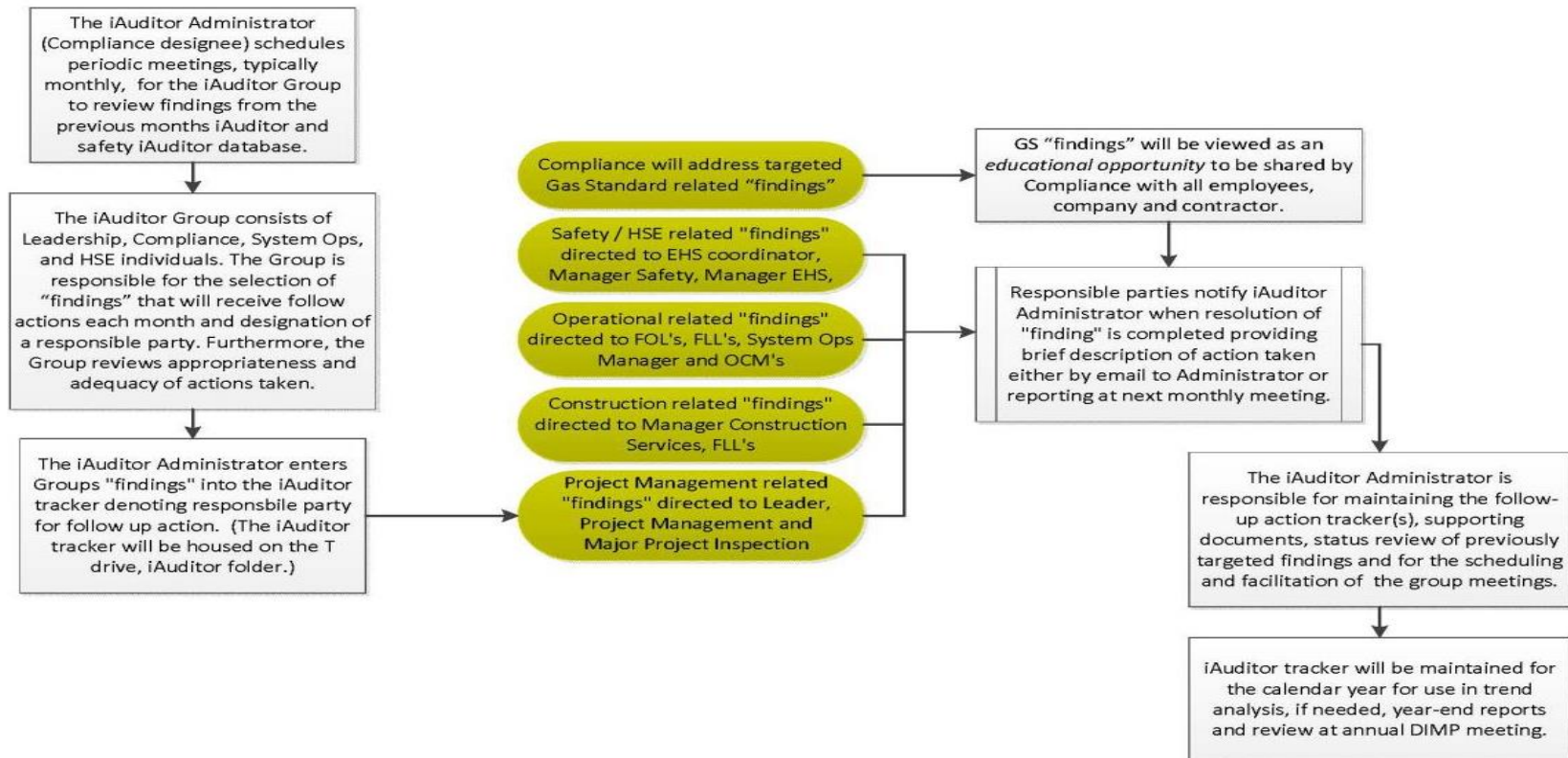
Remediation

- Findings generated from the audit process are assigned priorities based on the severity of the finding and corrective action recommendations are assigned to each finding to rectify the finding.
- Corrective action recommendations are tracked to ensure findings are closed in accordance with the corrective action recommendation and to determine that findings are rectified within the time frame dictated by the priority assigned to the finding.
- Corrective action periods for findings range from 30 days to 90 days from the date of the audit report depending on the priority assigned to the finding.
- All findings are summarized in an audit report and communicated to appropriate management upon completion of the audit.

Remediation

- Status reports of “open” audit findings are sent to appropriate management on a monthly basis to monitor the closure progress of “open” findings.
- Periodically, the findings discovered through this audit program are reviewed to identify recurring issues suggesting potential flaws in management systems.
- Another objective of the periodic review is to assess the effectiveness and adequacy of the internal audit protocols.
- If additions or modifications to the protocol list are warranted, changes are made within the audit program.

Remediation



Questions?

